



DOLBY PC ENTERTAINMENT EXPERIENCE

DOLBY® MASTER STUDIO™

The ultimate Dolby audio presentation and creation capabilities.



Includes

Dolby Digital
Dolby Digital EX
Dolby Digital Live
Dolby Digital 5.1 Creator
Dolby Pro Logic IIx
Dolby Headphone
Dolby Virtual Speaker

At a Glance

The ultimate Dolby surround sound experience.

High-quality audio for a richer, more natural and engaging listening experience.

Advanced levels of audio control for the power to tailor the listening experience to your preferences.

Ideal for home networking entertainment devices.

The best choice for PC gamers—get the Dolby surround sound advantage.

Flexibility to choose your playback experience: via headphones, two speakers, or an up to 7.1-speaker system.

Perfect for sharing the entertainment experience with family and friends.

Transforms stereo and 5.1-channel content into 7.1 full channels of stunning surround sound.

Create multichannel DVDs with Dolby Digital 5.1 Creator technology.

Available on an Intel-based PC, including Intel® Pentium® 4 Processor with HT Technology combined with the Intel Express Chipset Family with Intel High Definition Audio.

Dolby® Master Studio™ delivers the ultimate set of Dolby audio presentation capabilities designed to bring your entertainment to life and give you the power to author DVDs with discrete multichannel Dolby Digital surround sound. Amaze your family and friends with 7.1 channels of surround sound, delivering the most natural and engrossing Dolby entertainment experience possible from DVD movies, music, games, and TV. Dolby Master Studio merges advanced audio rendering with flexible controls and powerful digital signal processing to give you absolute power to tailor the listening experience to your media, mood, listening environment, and audience.

Benefits

Dolby 7.1-Channel Surround Sound

Delivers the ultimate set of Dolby audio presentation capabilities, with support for up to 7.1 channels of surround sound. Dolby Master Studio gives you the ability to tailor the listening experience to your media, mood, and audiences.

100 Percent Compatibility

Compatible with your favorite playback applications, to bring you enhanced audio, including Windows Media® Player, iTunes®, Musicmatch®, DVD players, streaming media players, PVR/TV tuners, and personal media libraries.

Create DVDs with Dolby Digital Surround Sound

Takes maximum advantage of the recordable DVD medium by giving you the ability to author DVDs in discrete 5.1-channel Dolby Digital surround sound. This state-of-the-art audio technology formats audio content into a Dolby Digital bitstream and preserves the integrity of the audio while maximizing disc space. Discs authored using Dolby Digital technologies are compatible with any DVD player.*

Simplified Connectivity

A single digital connection is all that's needed to play back all PC-based audio through an A/V receiver equipped with Dolby Digital. Eliminates the confusion, hassle, and clutter of multiple cables for surround sound from games, DVDs, music, and other entertainment content.

Integration

Dolby Master Studio PCs are built to Dolby Laboratories' audio connectivity specifications, making them ready for seamless integration with home theater sound systems.

The chart at right compares the three Dolby PC Entertainment Experience technology bundles by tiers of the technologies.

Technology Comparison

Dolby® Sound Room™

Dolby® Home Theater™

Dolby® Master Studio™

Delivered in Applications

Digital Audio
for Playback

Dolby Digital

Dolby Digital

Dolby Digital

Digital Audio
for Creation

Dolby Digital Recording
Dolby Digital Stereo Creator*

Dolby Digital 5.1 Creator

Delivered in Codec Driver

Digital Audio
for Playback

Dolby Digital Live

Dolby Digital EX**
Dolby Digital Live

Surround Sound
Expansion

Dolby Pro Logic II

Dolby Pro Logic II

Dolby Pro Logic IIx

Virtual Surround
Sound

Dolby Headphone
Dolby Virtual Speaker

Dolby Headphone
Dolby Virtual Speaker

Dolby Headphone
Dolby Virtual Speaker

* Only one digital audio for creation technology required.

** Dolby Digital EX support provided via Dolby Pro Logic IIx.

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DOLBY MASTER STUDIO



Technologies Featured in Dolby Master Studio Dolby Digital

Dolby Digital technology brings entertainment on your PC to life by delivering a cinema-quality entertainment experience from your DVDs. The superior coding efficiencies of Dolby Digital and its ability to deliver high-quality discrete multi-channel audio without compromising video quality has made it the designated audio standard for DVD-Video discs worldwide.

Dolby Digital EX

Dolby Digital EX creates a rich surround sound home theater experience by adding a sixth channel to content encoded in Dolby Digital Surround EX™. Dolby Digital EX bridges the “gap” between Left and Right Surround channels and provides more accurate locations of surround signals originating directly behind the listener.

Dolby Digital Live

Dolby Digital Live technology transforms all PC signals into a Dolby Digital bitstream.

For video games, Dolby Digital Live’s real-time encoding reproduces the audio cues and effects that follow onscreen events, putting you in the center of the action.

Dolby Digital 5.1 Creator

Dolby Digital 5.1 Creator technology gives you the ultimate power to master discrete Dolby Digital 5.1 soundtracks on DVD-Video discs at

home. The efficient encoding saves recordable disc space, allowing for higher video resolution or extended recording time. Discs created with Dolby Digital 5.1 Creator are compatible with any DVD-Video player.*

Dolby Pro Logic IIx

Dolby Pro Logic® IIx delivers a seamless, natural, 6.1- or 7.1-channel surround sound listening experience. Dolby Pro Logic IIx processes any stereo, 5.1, or Dolby Digital Surround EX encoded content into 6.1 or 7.1 playback channels, depending on speaker configuration.

Dolby Headphone

Dolby Headphone technology delivers a spacious surround sound experience through any pair of headphones. Dolby Headphone also improves listening comfort and reduces “listener fatigue” often associated with headphone use. It’s perfect for travelers, late-night movie watchers, or anyone without a surround sound speaker setup. Plus, you can choose between three room modes, Studio, Cinema, and Hall, to tailor your experience to the content.

Dolby Virtual Speaker

Dolby Virtual Speaker technology gives you a realistic 5.1 surround sound experience from just two speakers. Dolby Virtual Speaker is ideal for environments where a 5.1-speaker setup is not practical.

Technologies Work Seamlessly Together

Dolby Headphone and Dolby Virtual Speaker were engineered to work in concert with Dolby Digital and Dolby Pro Logic IIx. This way, you can get the full potential out of your entire library of music, games, movies, and more.

Unified Audio Controls

Audio controls for all Dolby premier technologies are now centralized in one user interface.

PCs Tested and Approved by Dolby

Buy with confidence, knowing that Intel-based PCs that wear the Dolby Master Studio logo have been developed, manufactured, and tested to meet Dolby Laboratories’ rigorous audio specifications, thus ensuring they deliver the ultimate Dolby surround sound experience.

*Assumes player compatibility with recordable DVD media and broadcast system.

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